

We claim:

1. A method for effecting improvement of cognition in a subject having a condition or disease related to A β , comprising administering to the subject an effective amount of an anti-A β antibody.
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2. The method of Claim 1, wherein the subject is human.
3. The method of Claim 2, wherein the condition or disease is
10 Alzheimer's disease, Down's syndrome, or mild cognitive impairment.
4. The method of Claim 3, wherein the disease is Alzheimer's disease.
5. The method of Claim 3, wherein the disease or condition is
15 Down's syndrome.
6. The method of Claim 3, wherein the disease or condition is mild cognitive impairment.
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7. The method of any one of Claims 1 - 6, wherein the antibody binds A β with an affinity of at least 10^{-9} M.
8. The method of any one of Claims 1 - 6, wherein the antibody
25 binds A β with an affinity of at least 10^{-10} M.
9. The method of any one of Claims 1 - 8, wherein the antibody is a humanized or human antibody.
10. The method of Claim 9, wherein the antibody is a humanized
30 antibody, or an analog thereof.

11. The method of any one of Claims 1 - 10, wherein the anti-A β antibody recognizes the same epitope that antibody 266 recognizes or competes with antibody 266 for binding to soluble A β .

5 12. The method of any one of Claims 1 - 11, wherein the affinity is measured with respect to either A β 1 - 40 or A β 1 - 42.

13. The method of any one of Claims 1 - 12, additionally comprising measuring cognition in the subject before administering the antibody
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14. The method of Claim 13, additionally comprising measuring cognition in the subject after administering the antibody.

15 15. The method of Claim 14, wherein the measure of cognition after administering the antibody shows a significant improvement in cognition compared with the measure of cognition before administering the antibody.

16. The method of any one of Claims 1 - 15, additionally comprising measuring cognition in the subject after administering the antibody.
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17. The use of an anti-A β antibody to prepare a medicament for any one of the methods of Claims 1 - 16.